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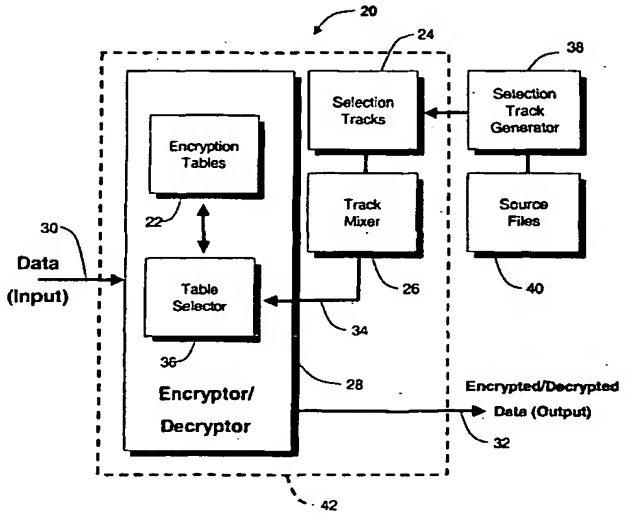
(54) Title: APPARATUS AND METHOD FOR ENCTYPTION AND DECRYPTION



(57) Abstract: An apparatus and method for encrypting/decrypting data include (a) a first plurality of encryption tables, each of the encryption tables being capable of transforming a data value into an encrypted/decrypted value, the data value corresponding to a unit of the data, the encrypted/decrypted value corresponding to a unit of encrypted/decrypted data, (b) a second plurality of selection tracks, each of the selection tracks including a series of values having a certain pattern, (c) a track mixer coupled to the second plurality of selection tracks, adapted to combine corresponding values of the selection tracks to produce a series of combined values, and (d) an encryption/decryption module coupled to the first plurality of encryption tables and the track mixer, adapted to transform each unit of the data into a unit of encrypted/decrypted data using an encryption table selected for that unit according to a combined value in the series of combined values.

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